

**PRELIMINARY RESULTS OF THE 2003
EASTERN BERING SEA
CRAB SURVEY**

**PART A: KING CRAB DISTRIBUTION -
Bristol Bay red king crab
Pribilofs and St. Matthew Islands blue king crab**

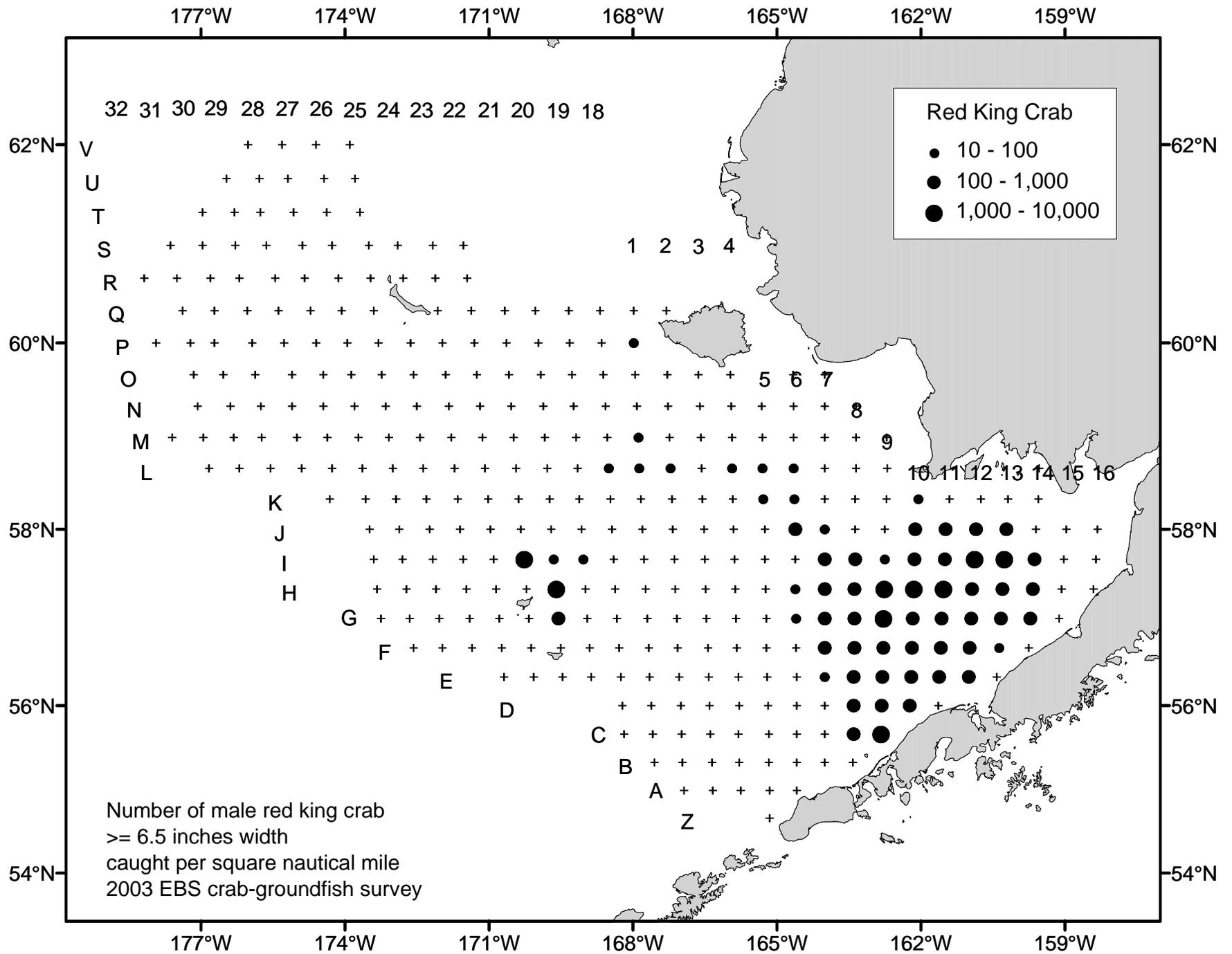
Data through 9 September 2003

NATIONAL MARINE FISHERIES SERVICE
Resource Assessment and Conservation Engineering Division
Kodiak Laboratory
301 Research Court
Kodiak, AK 99615
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This report contains information which will appear in the 2003 Report to Industry on the eastern Bering Sea Crab Survey. Since the report has not been completed at this date, continued data analysis may result in changes to the estimates of crab abundance. Therefore, data in this report should be regarded as preliminary, and not as 'absolute' or 'official'. They are provided as early as possible in order to help the fishing industry locate concentrations of exploitable crab.

Data are presented in the tables in units of crabs per square nautical mile. On the charts, small dots represent low crab density, large dots represent high crab density, and crosses represent tows where no legal (or large) male crabs of that species were caught. All dots are placed at the centers of standard survey stations; in areas where multiple tows were made, such as around St. Matthew Island and the Pribilof Islands, average densities are plotted at the station center, which may not match exactly the position listed in the table.

If you have any questions about these data, please contact Dr. Robert S. Otto, NMFS, 301 Research Court, Kodiak, AK, 99615, or phone (907) 481-1711.



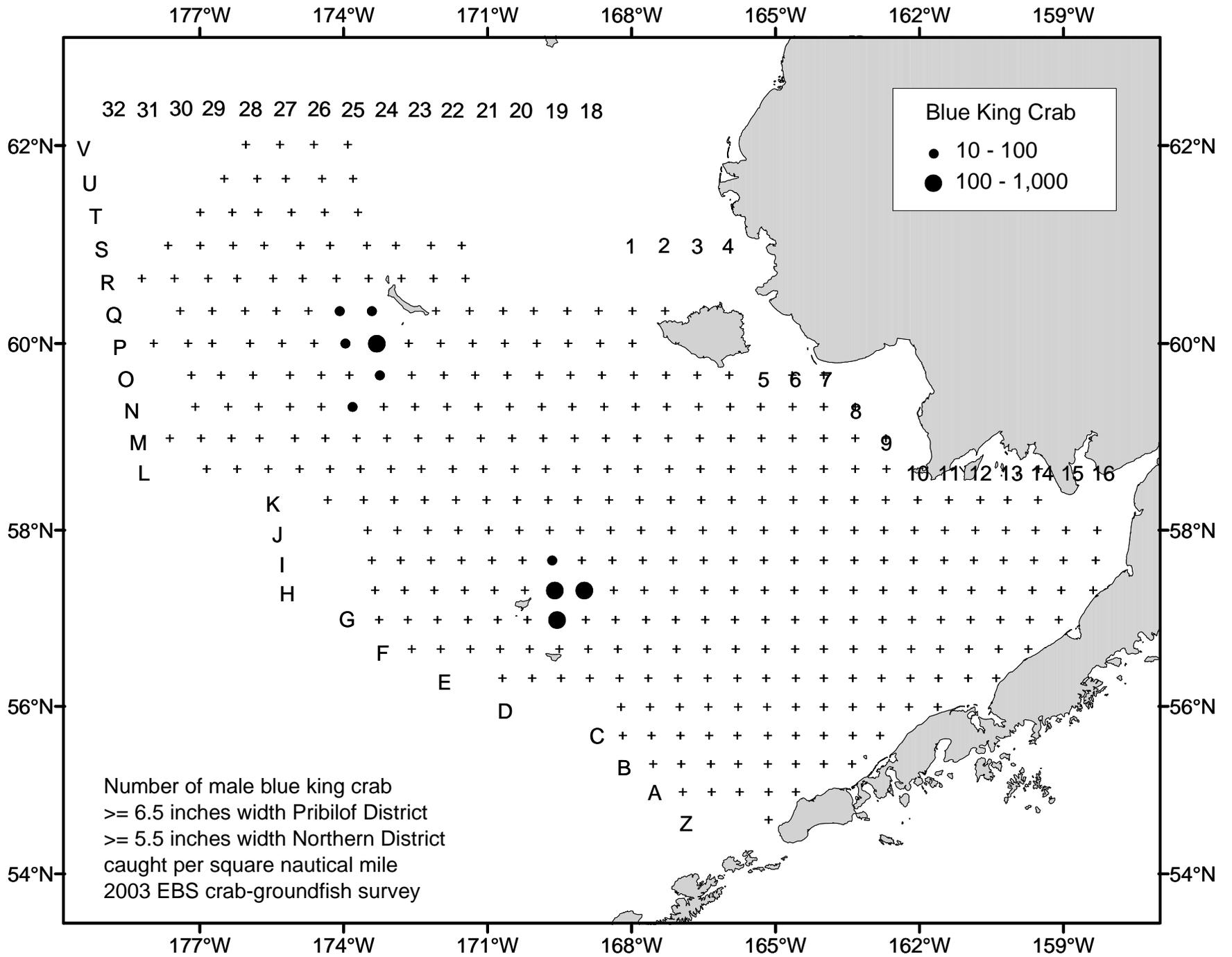


Table 7. Summary of crab density by tow (# per square nmi) for Red King Crab.

(Paralithodes camtschaticus)

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
B08	06/11/03	55 19.7	163 24.7	25	0	0	0	0	636	0	636	636
C08	06/13/03	55 39.9	163 23.1	43	337	0	0	337	0	0	0	337
C09	06/11/03	55 40.5	162 50.2	26	1242	580	83	1904	0	0	0	1904
D08	06/14/03	55 59.5	163 24.1	47	155	0	5723	5878	4022	5259	9281	15159
D09	06/11/03	55 59.6	162 49.7	40	319	0	398	717	1673	159	1832	2549
D10	06/11/03	55 59.8	162 14.3	37	161	0	643	803	241	723	964	1768
E07	06/14/03	56 20.4	163 57.9	45	85	85	0	171	0	0	0	171
E08	06/14/03	56 20.1	163 25.0	45	330	165	3138	3634	2643	1900	4542	8176
E09	06/11/03	56 20.3	162 47.5	40	155	0	1317	1472	2015	465	2480	3952
E10	06/11/03	56 20.2	162 11.7	42	240	400	1280	1919	1840	1040	2879	4799
E11	06/05/03	56 19.8	161 37.8	33	748	249	249	1247	3075	0	3075	4322
E12	06/05/03	56 20.3	160 59.5	28	333	416	0	748	83	0	83	831
F07	06/14/03	56 40.2	164 0.5	39	747	83	0	830	0	0	0	830
F08	06/14/03	56 39.9	163 23.0	39	486	162	162	810	162	0	162	971
F09	06/10/03	56 40.1	162 46.9	38	234	78	781	1093	1406	312	1718	2811
F10	06/10/03	56 40.7	162 11.3	37	164	329	1480	1973	2959	1151	4110	6083
F11	06/05/03	56 41.1	161 33.1	48	332	1993	498	2824	11128	830	11959	14782
F12	06/05/03	56 39.9	160 59.1	36	580	166	1657	2403	1657	1243	2900	5303
F13	06/04/03	56 41.3	160 23.2	32	81	81	2018	2180	2099	1130	3229	5409
G06	06/16/03	57 0.2	164 36.2	37	83	0	0	83	0	0	0	83
G07	06/14/03	57 2.5	164 1.9	34	579	0	0	579	0	0	0	579
G08	06/14/03	56 59.9	163 22.5	34	489	652	0	1142	82	0	82	1223
G09	06/11/03	57 0.5	162 46.1	32	1269	1825	4601	7695	3887	1587	5474	13169
G10	06/10/03	56 60.0	162 10.3	31	395	710	4893	5997	6155	2525	8680	14678
G11	06/05/03	56 59.9	161 34.8	37	655	246	1556	2457	7453	2785	10237	12694
G12	06/05/03	57 0.1	160 57.1	33	410	328	656	1394	2953	574	3527	4921
G13	06/04/03	57 0.2	160 20.5	33	165	165	165	494	1895	0	1895	2390
G14	06/04/03	56 59.9	159 42.0	29	244	81	0	326	163	81	244	570
G20	06/29/03	56 59.8	169 32.9	32	402	0	0	402	322	0	322	724
G20	06/28/03	57 9.9	169 19.0	38	75	0	0	75	0	0	0	75
G21	06/29/03	57 9.7	169 53.7	25	0	0	0	0	0	79	79	79
H06	06/16/03	57 20.2	164 37.2	34	82	0	0	82	0	0	0	82
H07	06/14/03	57 20.0	164 0.5	32	229	76	0	305	0	0	0	305

Table 7. Summary of crab density by tow (# per square nmi) for Red King Crab.

(Paralithodes camtschaticus)

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
H08	06/14/03	57 20.2	163 23.3	27	483	80	0	563	0	0	0	563
H09	06/10/03	57 19.7	162 48.8	25	21648	4493	490	26631	490	0	490	27121
H09	06/10/03	57 14.1	162 48.2	27	8014	2535	654	11204	327	82	409	11613
H09	06/10/03	57 20.3	162 56.1	26	576	0	0	576	82	0	82	658
H09	06/10/03	57 24.8	162 46.7	25	3234	1859	404	5497	1132	0	1132	6629
H09	06/10/03	57 19.5	162 37.8	26	3000	1784	1784	6567	1621	243	1865	8432
H10	06/10/03	57 20.0	162 9.5	26	3351	2393	479	6223	1197	0	1197	7420
H11	06/06/03	57 19.8	161 33.1	28	1137	1380	1786	4303	7226	568	7794	12097
H12	06/05/03	57 19.7	160 56.0	33	661	991	1734	3386	10902	496	11397	14784
H13	06/04/03	57 19.9	160 18.7	32	655	737	655	2046	2210	82	2292	4338
H14	06/04/03	57 20.2	159 41.1	30	171	343	0	514	943	0	943	1458
H15	06/02/03	57 20.6	159 4.2	25	0	0	81	81	0	0	0	81
H16	06/02/03	57 28.9	158 4.0	8	0	0	327	327	0	245	245	573
H20	07/05/03	57 19.8	169 34.7	34	1834	0	0	1834	5182	0	5182	7016
I07	06/15/03	57 40.5	164 0.1	26	253	84	0	337	168	0	168	505
I08	06/15/03	57 40.6	163 22.6	25	508	254	0	762	0	0	0	762
I09	06/10/03	57 40.2	162 45.8	22	80	241	80	402	80	0	80	482
I10	06/10/03	57 39.9	162 8.0	24	404	404	728	1537	81	809	890	2427
I11	06/06/03	57 39.8	161 31.7	27	488	488	2033	3009	976	1139	2115	5124
I12	06/06/03	57 40.4	160 52.7	30	1897	1580	1027	4504	1106	158	1264	5769
I13	06/04/03	57 40.1	160 16.2	28	1235	576	1400	3212	1482	576	2059	5270
I14	06/04/03	57 40.2	159 38.6	26	117	351	117	585	234	117	351	936
I16	06/02/03	57 39.9	158 21.0	17	0	0	0	0	0	82	82	82
I19	07/02/03	57 39.5	169 2.5	36	85	0	85	169	0	0	0	169
I20	07/05/03	57 39.7	169 38.4	37	0	0	0	0	0	102	102	102
I20	06/28/03	57 30.3	169 22.3	37	74	0	0	74	0	0	0	74
I21	07/01/03	57 30.1	169 59.1	36	4081	247	0	4328	0	0	0	4328
I21	07/01/03	57 40.0	170 16.3	38	79	0	79	158	0	0	0	158
J06	06/16/03	58 0.2	164 37.2	23	242	81	0	323	162	0	162	485
J07	06/15/03	58 0.1	164 1.8	24	82	82	0	165	82	0	82	247
J08	06/15/03	57 58.9	163 21.8	23	0	0	0	0	170	0	170	170
J09	06/10/03	58 0.6	162 45.3	20	0	161	0	161	161	0	161	322
J10	06/10/03	58 0.1	162 6.6	19	247	411	411	1070	658	329	987	2057

Table 7. Summary of crab density by tow (# per square nmi) for Red King Crab.

(Paralithodes camtschaticus)

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
J11	06/06/03	57 59.1	161 29.3	28	269	0	2551	2820	671	671	1343	4163
J12	06/06/03	57 59.7	160 50.6	24	571	245	408	1223	326	489	815	2039
J13	06/04/03	57 59.9	160 13.2	26	166	998	499	1664	499	83	582	2246
J14	06/04/03	57 59.6	159 36.2	22	0	84	84	169	84	0	84	253
J16	06/03/03	58 9.3	157 58.7	15	0	0	0	0	0	336	336	336
J20	07/02/03	57 50.0	169 21.7	35	0	0	0	0	162	0	162	162
K01	06/25/03	58 20.0	167 49.1	31	0	0	0	0	0	80	80	80
K04	06/22/03	58 20.4	165 55.5	22	0	79	0	79	79	0	79	158
K05	06/15/03	58 20.1	165 18.2	22	81	0	0	81	0	0	0	81
K06	06/15/03	58 20.1	164 38.8	22	79	79	0	158	0	0	0	158
K07	06/15/03	58 20.5	164 0.2	21	0	82	0	82	0	0	0	82
K09	06/10/03	58 20.0	162 42.8	15	0	0	0	0	79	0	79	79
K10	06/06/03	58 19.8	162 3.2	24	82	82	0	164	246	0	246	410
K11	06/06/03	58 12.7	161 32.9	19	0	317	317	633	158	0	158	791
K12	06/06/03	58 17.3	160 49.1	16	0	0	0	0	0	316	316	316
K13	06/03/03	58 16.7	159 58.0	21	0	0	80	80	240	0	240	320
K14	06/03/03	58 20.3	159 34.4	12	0	0	80	80	0	0	0	80
K14	06/03/03	58 29.7	159 50.1	13	0	0	159	159	0	0	0	159
L01	06/24/03	58 40.4	167 52.2	24	81	0	0	81	0	0	0	81
L02	06/24/03	58 40.0	167 12.7	23	80	0	0	80	80	0	80	159
L03	06/22/03	58 39.6	166 32.8	21	0	0	0	0	0	79	79	79
L04	06/22/03	58 40.0	165 56.3	19	81	0	81	162	0	0	0	162
L05	06/09/03	58 39.7	165 20.4	20	83	0	0	83	0	0	0	83
L06	06/09/03	58 40.2	164 39.3	19	84	0	0	84	0	0	0	84
L07	06/07/03	58 40.1	164 0.7	16	0	81	81	162	81	0	81	243
L09	06/07/03	58 38.1	162 42.5	12	0	0	0	0	163	0	163	163
L18	07/03/03	58 40.0	168 29.9	28	83	0	0	83	0	0	0	83
M01	06/24/03	59 0.6	167 52.8	20	84	0	0	84	0	0	0	84
M02	06/24/03	58 60.0	167 14.1	20	0	82	0	82	0	0	0	82
M03	06/23/03	58 59.8	166 35.1	17	0	0	159	159	0	80	80	239
M18	07/03/03	58 59.6	168 31.9	24	0	0	0	0	155	0	155	155
O04	06/23/03	59 39.4	165 55.8	12	0	0	76	76	0	0	0	76
P01	06/23/03	59 59.9	167 58.8	12	80	0	0	80	0	0	0	80

Table 7. Summary of crab density by tow (# per square nmi) for Red King Crab. (*Paralithodes camtschaticus*)

Station	Date	N. Lat.		W. Long		Fathoms	Males				Females			GRAND TOTAL
							Large	Medium	Small	Total	Large	Small	Total	
Q19	07/03/03	60	20.0	169	20.1	22	0	0	0	0	79	0	79	79
Q21	07/04/03	60	19.7	170	40.4	32	0	0	0	0	80	0	80	80

NOTE: Minimum carapace sizes used are: Large Males > 6.5 in; Medium Males = 5.2 to 6.5 in; Large Females > 4.3 in.

Table 8A. Summary of crab density by tow (# per square nmi) for Pribilofs Blue Kings.

(*Paralithodes platypus*)

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
G20	06/29/03	56 59.8	169 32.9	32	80	0	0	80	80	0	80	161
G20	06/28/03	56 50.1	169 17.8	42	79	0	0	79	237	0	237	315
G20	06/28/03	57 9.9	169 19.0	38	150	0	0	150	150	0	150	300
H19	07/02/03	57 30.0	168 45.4	37	162	0	0	162	325	0	325	487
H19	06/28/03	57 20.1	168 59.7	37	310	0	0	310	4110	0	4110	4421
H20	07/05/03	57 19.8	169 34.7	34	159	0	0	159	399	0	399	558
I18	07/02/03	57 40.2	168 23.9	37	0	0	0	0	0	78	78	78
I19	07/02/03	57 39.5	169 2.5	36	0	0	85	85	0	85	85	169
I20	06/28/03	57 30.3	169 22.3	37	74	74	0	148	222	0	222	370
K18	07/03/03	58 20.6	168 28.0	34	0	0	78	78	0	0	0	78

NOTE: Minimum carapace sizes used are: Large Males > 6.5 in; Medium Males = 5.2 to 6.5 in; Large Females > 4.3 in.

Table 8B. Summary of crab density by tow (# per square nmi) for St. Matt. Blue Kings.

(Paralithodes platypus)

Station	Date	N. Lat.	W. Long	Fathoms	Males				Females			GRAND TOTAL
					Large	Medium	Small	Total	Large	Small	Total	
N26	07/19/03	59 20.1	173 48.2	59	83	0	0	83	0	0	0	83
O03	06/24/03	59 39.9	166 37.9	14	0	0	0	0	0	79	79	79
O25	07/18/03	59 30.1	172 53.0	48	157	0	78	235	0	0	0	235
O25	07/18/03	59 40.5	173 15.3	51	159	0	0	159	0	0	0	159
P24	07/18/03	59 60.0	172 38.7	35	79	0	238	318	159	0	159	477
P24	07/13/03	60 9.7	172 19.4	30	152	457	381	991	762	76	839	1830
P25	07/18/03	59 50.1	172 55.5	42	161	80	0	241	0	0	0	241
P25	07/18/03	60 0.1	173 18.5	40	310	77	232	620	0	155	155	775
P26	07/19/03	60 0.5	173 57.7	51	80	0	0	80	0	0	0	80
P26	07/18/03	60 7.3	173 46.3	47	241	80	0	321	0	0	0	321
P26	07/18/03	59 50.2	173 35.1	50	78	0	0	78	78	0	78	156
Q23	07/13/03	60 20.0	172 3.9	31	0	0	78	78	78	0	78	156
Q25	07/18/03	60 10.9	173 2.7	31	462	540	3623	4625	1696	771	2466	7091
Q25	07/14/03	60 19.5	173 25.3	33	0	0	457	457	0	0	0	457
Q26	07/14/03	60 20.2	174 3.9	49	78	0	0	78	0	0	0	78
Q27	07/19/03	60 10.2	174 21.7	53	82	0	0	82	0	0	0	82
T30	07/16/03	61 20.3	176 58.3	62	0	0	0	0	0	82	82	82
U27	07/15/03	61 39.8	175 5.2	45	0	0	80	80	0	0	0	80

NOTE: Minimum carapace sizes used are: Large Males > 5.5 in; Medium Males = 4.3 to 5.5 in; Large Females > 3.8 in.